Michael Hernandez

(262) 399-8148 | **herna273@uwm.edu** | **github.com/XxCotHGxX** |
michaelhernandez.pro Milwaukee, WI

PROFESSIONAL SUMMARY

Software Engineer & AI Training Specialist Computer Science and Information Technology major with a background in Economics and Business. Specialized in **code analysis, debugging, and RLHF (Reinforcement Learning from Human Feedback)** for Large Language Models. Unlike standard developers, I combine full-stack engineering skills with operational management experience, allowing me to evaluate code not just for syntax, but for logic, efficiency, and business value. Successfully founding a software consultancy while completing a double major demonstrates exceptional time management and self-motivation.

TECHNICAL SKILLS

- **Core Languages:** Python, Java, Kotlin, JavaScript, C++, SQL.
- **AI & Data:** LLM Training (RLHF), Code Evaluation, Data Structures (BST, Linked Lists), Algorithm Optimization.
- **Development Tools:** Git/GitHub, Android Studio (Mobile), MIPS Assembly, JUnit (Testing).
- **Operational:** ISO 9001 QA, Process Automation, Inventory Management Systems (SAP).

RELEVANT EXPERIENCE

Software Consultant & AI Trainer | *Alignerr* | *Remote Aug 2024 – Present Leveraging technical expertise to train and fine-tune next-generation AI models for code generation and analysis.*

- **Code Analysis & Debugging:** Evaluate complex code snippets in **Python, Java, and JavaScript** for accuracy, efficiency, and security vulnerabilities.
- **RLHF Implementation:** Provide detailed technical feedback to improve the reasoning capabilities of Large Language Models (LLMs), focusing on edge-case handling and logic structure.

- **Technical Writing:** Compose high-quality justifications for code corrections, ensuring the model "learns" the underlying engineering principles rather than just the syntax.

Warehouse Operations Manager & Developer | *Cascade Cheese* | *Cascade, WI June 2024 – Present Transformed a manual logistics role into a technical operations role by building custom software solutions*.

- **Custom Software Development:** Designed and deployed a proprietary **Android application using Kotlin** to bridge the gap between Google Sheets and a local SQL database.
    - *Impact:* Eliminated manual data entry errors and synchronized real-time inventory levels across the mesh network.
- **System Integration:** Integrated warehouse workflows with **SAP protocols**, optimizing the retrieval and storage of production assets.
- **Process Engineering:** Redesigned warehouse logic to maximize throughput, directly applying algorithmic sorting principles to physical inventory management.

Department Manager & Machinist | *Midwest Precision* | *Fredonia, WI June 2018 – April 2024*

- **Quality Assurance:** Managed ISO 9001 compliance, requiring extreme attention to detail and rigorous validation of outputs—skills directly transferable to code debugging and unit testing.
- **Resource Management:** Scheduled complex workflows to ensure on-time delivery for high-value clients.

TECHNICAL PROJECTS

Event Ticketing Application | *iOS Development (Swift/Objective-C) Successfully launched a mobile solution for a large music venue to modernize guest entry.*

- **Database Integration:** Connected the front-end iOS interface to existing backend databases to allow for seamless ticket verification and real-time upgrades.
- **Concurrency:** Managed simultaneous user check-ins without latency, ensuring system stability during high-traffic windows.

CPU Architecture Simulator | *Java & MIPS Assembly*

- **Low-Level Logic:** Built a functional CPU simulator in **Java** capable of parsing and executing machine code.
- **Translation Engine:** Wrote algorithms to translate MIPS assembly instructions into Hexadecimal machine code and vice versa, demonstrating deep understanding of memory management and instruction cycles.

Dodgeball Game Engine | *Java & OOP*

- **Game Physics:** Implemented object-oriented principles to manage collision detection, game loops, and player state management.

EDUCATION

University of Wisconsin – Milwaukee | *Milwaukee, WI*

- **Bachelor of Arts, Computer Science** | *Expected May 2026*
- **Bachelor of Business Administration, IT Management** | *Expected May 2026*
- **Minors:** Economics, Business
- *Relevant Coursework:* Data Structures & Algorithms, Computer Architecture, Systems Programming, Database Management.